

Mystic Lake Casino Hotel  
Permit No. SYN-SM-27139R0001-2012-01

**United States Environmental Protection Agency  
Region 5  
Air Programs Branch  
Air and Radiation Division  
77 West Jackson Boulevard  
Chicago, Illinois 60604**

**CONSTRUCTION PERMIT WITH SYNTHETIC MINOR LIMITS**

Permit Number: SYN-SM-27139R0001-2012-01

Issue Date: **APR 09 2012**

Effective Date: **APR 09 2012**

Expiration Date: \_\_\_\_\_

In accordance with the provisions of the Clean Air Act (CAA) and 40 Code of Federal Regulations Part 49,

**Shakopee Mdewakanton Sioux Community**


is authorized to construct and operate air emissions units and to conduct other air pollutant emitting activities in accordance with the permit conditions listed in this permit.

This source is authorized to construct and operate in the following location(s):

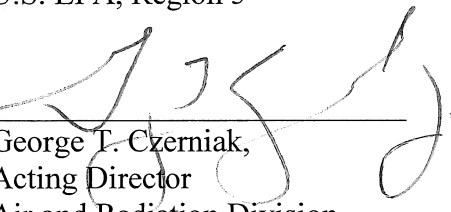
**Mystic Lake Casino Hotel  
2400 Mystic Lake Boulevard  
Prior Lake, Minnesota 55372**

Mystic Lake Casino Hotel is located on reservation lands held by the United States government in trust for the Shakopee Mdewakanton Sioux Community.

Terms and conditions not otherwise defined in this permit have the meaning assigned to them in 40 C.F.R. Part 49. All terms and conditions of the permit are enforceable by the U.S. Environmental Protection Agency and citizens under the CAA.

  
\_\_\_\_\_  
Susan Hedman  
Regional Administrator  
U.S. EPA, Region 5

4-9-12  
Date

  
\_\_\_\_\_  
George T. Czerniak,  
Acting Director  
Air and Radiation Division  
U.S. EPA, Region 5

4/5/12  
Date

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## 1.0 FACILITY DESCRIPTION

### A. General Source Information

Owner: Shakopee Mdewakanton Sioux Community  
2330 Sioux Trail NW  
Prior Lake, Scott County, Minnesota 55372

Facility: Mystic Lake Casino Hotel  
2400 Mystic Lake Boulevard  
Prior Lake, Scott County, Minnesota 55372

County: Scott

Reservation: Shakopee Mdewakanton Sioux Community

SIC Code: 7011, Hotels and Motels; 4911, electric generating facilities

NAICS Code: 721120, Casino Hotel

This permit authorizes the construction of three identical diesel-fired peak load management generators at the Shakopee Mdewakanton Sioux Community's Mystic Lake Casino Hotel facility. The generators will provide emergency and backup power and peak load management for the casino and hotel under contract with Minnesota Valley Electric Cooperative. The combined total generation capacity of those engines will be 6.0 megawatts. Electricity generated at the facility will not be sold for distribution. Operation will be limited by fuel usage of 99,610 gallons per unit per year, based on a 12-month rolling sum.

### B. Emission Unit Descriptions

Emission Unit	Description	Manufacturer/Model	Power Rating
EU 116	Diesel-fired engine/generator	Caterpillar Model 3516C	2,230 kW
EU 117	Diesel-fired engine/generator	Caterpillar Model 3516C	2,230 kW
EU 118	Diesel-fired engine/generator	Caterpillar Model 3516C	2,230 kW

## **2.0 UNIT-SPECIFIC REQUIREMENTS:**

### **A. Emission Limitations and Standards**

The Permittee shall comply with the following requirements:

#### **1. Nitrogen Oxide (NO<sub>x</sub>) Limitations and Requirements**

- i. EU 116
  - a. Limit NO<sub>x</sub> emissions to no greater than 35.9 pounds per hour expressed as NO<sub>2</sub>, averaged over the duration of the emission performance test.
  - b. Limit NO<sub>x</sub> emissions to no greater than 12.6 tons per year expressed as NO<sub>2</sub>, based on a 12 month rolling sum. Compliance with this limit shall be based on a rolling sum of monthly emissions during the previous 12 months.
  - c. Limit fuel usage to ultra-low sulfur diesel fuel with a maximum sulfur content of 0.0015%.
  - d. Limit fuel usage to no greater than 99,610 gallons per year, based on a 12 month rolling sum. Compliance with this limit shall be based on a rolling sum of monthly fuel usage (in gallons) during the previous 12 months.
- ii. EU 117
  - a. Limit NO<sub>x</sub> emissions to no greater than 35.9 pounds per hour expressed as NO<sub>2</sub>, averaged over the duration of the emission performance test.
  - b. Limit NO<sub>x</sub> emissions to no greater than 12.6 tons per year expressed as NO<sub>2</sub>, based on a 12 month rolling sum. Compliance with this limit shall be based on a rolling sum of monthly emissions during the previous 12 months.
  - c. Limit fuel usage to ultra-low sulfur diesel fuel with a maximum sulfur content of 0.0015%.
  - d. Limit fuel usage to no greater than 99,610 gallons per year, based on a 12 month rolling sum. Compliance with this limit shall be based on a rolling sum of monthly fuel usage (in gallons) during the previous 12 months.
- iii. EU 118
  - a. Limit NO<sub>x</sub> emissions to no greater than 35.9 pounds per hour expressed as NO<sub>2</sub>, averaged over the duration of the emission performance test.
  - b. Limit NO<sub>x</sub> emissions to no greater than 12.6 tons per year expressed as NO<sub>2</sub>, based on a 12 month rolling sum. Compliance with this limit shall be based on a rolling sum of monthly emissions during the previous 12 months.

- c. Limit fuel usage to ultra-low sulfur diesel fuel with a maximum sulfur content of 0.0015%.
  - d. Limit fuel usage to no greater than 99,610 gallons per year, based on a 12 month rolling sum. Compliance with this limit shall be based on a rolling sum of monthly fuel usage (in gallons) during the previous 12 months.
- iv. Operational Limitations (New Source Performance Standards)
  - a. Obtain from the manufacturer for EU 116, 117 and 118 a certification that generator emissions will be at or below the emission standards set forth for new non-emergency stationary internal combustion engines at 40 C.F.R. §§ 94.8, 60.4201 and 60.4202 and shall continue to meet them for the useful life of the engine.
  - b. Operate and maintain applicable units according to the manufacturer's written emission-related instructions over the entire life of the engine. Change only those emission-related settings that are permitted by the manufacturer.
  - c. Meet the requirements of 40 C.F.R. Parts 89, 94 and 1068, as they apply to you.
- v. Conduct performance testing on EU 116, 117 and 118 to determine compliance with the NO<sub>x</sub> emission rates and limits in this Section in accordance with the requirements set forth in Section 2(B) of this permit. Determine the NO<sub>x</sub> emission rate, expressed as NO<sub>2</sub>, using exhaust properties determined by both 40 C.F.R. Part 60, Appendix A, Method 7E and exhaust gas measurements as set out in Section 2(B)(2) of this permit.
- vi. Good Air Pollution Control Practices

At all times, including start-up, shut-down, and malfunction, maintain and operate all sources including associated air pollution control equipment regulated by this permit in a manner consistent with good air pollution control practices for minimizing emissions. The determination of whether acceptable operating and maintenance practices are being used will be made by EPA based on information that is available to EPA. This may include, but is not limited to, monitoring results, review of operating and maintenance procedures, and inspections of the facility.

## **B. Monitoring and Testing**

### **Monitoring**

1. The Permittee shall make calculations to comply with rolling monthly averages by the 15<sup>th</sup> day of the next month and shall add the monthly total to the previous 11 months of data.

## 2. Performance Testing

- i. Initial Compliance Test. Within 180 days after initial startup of EU 116, 117 and 118, and at other times as may be required by the EPA under Section 114 of the CAA, the Permittee shall conduct performance test(s) for NO<sub>x</sub> on EU 116, 117 and 118 to ascertain compliance with the emission limits. Within 45 days of the performance test(s), the Permittee shall furnish the EPA a written report of the results of such performance test(s).
- ii. Periodic Performance Tests. The Permittee shall conduct a performance test on one of the three emission units once every three years, starting three years after the initial compliance test (on or before the anniversary of the initial compliance test), testing the emissions units on a revolving basis so that each unit is tested once every nine years. The Permittee shall conduct the tests to determine compliance with the applicable NO<sub>x</sub> emissions limits. Within 45 days of the performance test(s), the Permittee shall furnish the EPA a written report of the results of such performance test(s).
- iii. Reference Test Methods. The Permittee shall test EU 116, 117 and 118 for emissions of nitrogen compounds in accordance with the methods and procedures specified in Method 7E of 40 C.F.R. Part 60, Appendix A for testing NO<sub>x</sub> emissions, unless an alternative test method has been approved in advance of the test by the EPA.
- iv. Representative Testing Conditions. Performance tests shall be conducted under such conditions as the EPA shall specify to the facility operator based on representative performance of the affected facility. The Permittee shall make available to the EPA such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test.
- v. Operating Conditions for Performance Testing. All performance tests shall be conducted at worst-case operating (non-malfunction) conditions for all emission units for each air pollutant.
- vi. Failure to Demonstrate Compliance. Upon the EPA's written notice that the facility has failed to demonstrate compliance with an applicable emission limit, unless an alternative schedule is given in an applicable requirement or compliance document, the Permittee shall:
  - a. Conduct a retest within 30 days of receipt of the EPA written notice.
  - b. Submit to the EPA written notice of testing and submit a test plan for the retest.
  - c. Submit a complete report of the results of the retest within 45 days after completion.

- vii. Agency Tests. Upon request of the EPA, the Permittee shall allow the EPA, or any authorized employee or agent of the EPA, to enter upon the premises for the purposes of conducting performance tests or inspections. The Permittee shall provide performance testing facilities that enable the EPA to conduct performance tests, including:
  - a. Sampling ports adequate for the applicable test methods;
  - b. Safe sampling platforms;
  - c. Safe access to sampling platforms; and
  - d. Utilities for sampling and testing equipment.
- viii. Annual Testing. The Permittee shall measure NO<sub>x</sub> emissions from each emissions unit annually (on or before the anniversary of the initial compliance test) using a portable emissions analyzer to determine compliance with the applicable emissions limits, and shall furnish the EPA with a written report of the results of such measurements no later than 45 days after each test is completed. The portable emissions analyzer shall be used according to the Portable Electrochemical Analyzer Procedure (See <http://www.epa.gov/ttn/emc/ctm/ctm-034.pdf>). This requirement does not apply to any unit during the calendar year in which a performance test is required for that unit, only during years between the periodic performance tests.
- ix. Operating Conditions. All measurements shall be conducted at worst-case operating (non-malfunction) conditions for all emission units for each air pollutant that is required to be tested.

## **C. Recordkeeping and Reporting**

### **1. Recordkeeping**

The Permittee shall maintain at the Tribal Government office a file containing the records specified below. The Permittee shall retain all records at the Tribal Government office for at least five years following the creation of such records. Records that must be retained at this location include all calibration and maintenance records, all original recording for continuous monitoring instrumentation, and copies of all reports required by this permit. Records of all monitoring required by this permit and information about monitoring include, but are not limited to:

- i. Fuel usage (in gallons) for emissions units EU 116, 117, 118;
- ii. Fuel supplier certification for emissions units EU 116, 117 and 118. The Permittee shall obtain and maintain a fuel supplier certification for each shipment of fuel oil, certifying that the sulfur content does not exceed 0.0015% by weight;
- iii. Performance test data and results including:
  - a. Sampling dates and the times of sampling or measurement;

- b. The operating conditions that existed at the time of sampling or measurement;
- c. The date analyses were performed;
- d. The location where samples were taken;
- e. The company or entity that performed the sampling and analysis;
- f. The analytical techniques or methods used; and
- g. The results of the analysis;
- v. Results of annual NO<sub>x</sub> testing from the portable emissions analyzer;
- vi. Reports of excess emissions;
- vii. Calibration and maintenance records, original strip chart, or computer-based recordings; and
- viii. Standard operation and maintenance procedures for each emission unit.

## 2. Reporting

**Test Reports.** Within 45 days after completion of a set of annual NO<sub>x</sub> emission measurements under Section 2(B)(2)(viii), above, the Permittee shall submit a copy of the results to the EPA.

**Deviation Reporting.** The Permittee shall report to EPA any deviation from any permit requirements, including those attributable to upset conditions, the probable cause of such deviation, and any corrective actions or preventative measures taken. The Permittee shall report to EPA within 2 working days of the deviation.

## 3.0 FACILITY-WIDE REQUIREMENTS

### A. Notification

1. **Testing Notification.** Written notification of the planned test date shall be postmarked or received by the EPA at least 30 days before the planned test date. The EPA shall reject the results of a test if less than 30 days notice is given unless written authorization of a shorter notice was given by the EPA. If, after 30 days notice for a scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the Permittee shall notify EPA as soon as possible, either by providing at least 7 days prior notice of the rescheduled date of the performance test or by arranging a reschedule date with the EPA by mutual agreement.
3. **Approval of Test Plan.** The Permittee shall submit to the EPA a test plan with or in advance of the test notification required under Section 3 (A), above, in response to the EPA's request for supplemental information. If the proposed test plan does not contain sufficient or accurate enough detail to ensure that the performance test meets the requirements of the applicable requirement or compliance document, EPA may reject the plan, and the owner or operator must address any of EPA's comments on revisions and additions that are necessary to make the plan complete before the test date.

**B. Recordkeeping and Reporting**

1. The Permittee shall maintain for five years at the Tribal Government office a file of all measurements, including monitoring device and performance testing measurements; adjustments and maintenance performed on these systems or devices; and all other information required by this permit in a permanent form suitable for inspection.
2. Within 45 days after completion of a performance test, the Permittee shall submit a copy of the results to EPA.

**4.0 GENERAL PERMIT REQUIREMENTS**

**A. Definitions**

Terms and conditions in this permit have the meaning assigned to them in 40 C.F.R. § 49.152 unless other regulations or statutes are referenced or applicable.

**B. Issuance and Effective Date of Permit**

This permit shall become effective on the date of signature by the Regional Administrator. The EPA is issuing this permit pursuant to an executed Administrative Compliance Order. The Permittee must resume construction and installation of the three generators within 18 months after the effective date of this permit or the permit automatically will become invalid.

**C. Construction without a Permit**

If the Permittee constructs or operates any source or modification not in accordance with the terms of any approval to construct, the Permittee shall be subject to appropriate enforcement action.

**D. Construction Approval**

1. Nothing in this permit shall alter the requirement for the Permittee to obtain a construction permit before commencement of construction or modification of an emission unit.
2. Approval for construction or installation shall not relieve the Permittee of the responsibility to comply fully with applicable provisions of any other requirements of federal law or regulation, including Title V of the CAA.
3. The Permittee is responsible for submitting a timely application for a federal Title V operating permit to authorize continued operation of the subject emissions units.

**E. Compliance with Permit Requirements**

The Permittee must comply with each permit term and condition. Failure to comply with any term or condition of this permit constitutes a violation of the permit, and may constitute a violation of the CAA and grounds for:

1. An enforcement action under Section 113 of the CAA;
2. Termination, revocation and reissuance, or modification of the permit; or
3. Denial of a federal operating permit application under 40 C.F.R. Part 71.

It is not a defense in an enforcement action for violation of this permit that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**F. Prohibition on Violation of National Ambient Air Quality Standards and Prevention of Significant Deterioration Increments**

The three generators that are the subject of this construction permit must not cause or contribute to a violation of any National Ambient Air Quality Standard or to a violation of a Prevention of Significant Deterioration increment.

**G. Submittals**

1. Unless otherwise directed by EPA or this permit, the Permittee shall submit a copy of all test plans, reports, certifications, notifications and other information pertaining to compliance with this permit to:

Air Enforcement and Compliance  
Assurance Branch (AE-17J)  
Air and Radiation Division  
EPA, Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604

2. The Permittee shall submit permit applications, applications for permit amendments, and other applicable permit information, which includes but is not limited to applications and information regarding installation of control equipment, replacement of an emissions unit, and requests for changes that contravene current permit terms, to:

Air Permits Section  
Air Programs Branch (AR-18J)  
EPA, Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604

**H. Severability**

The terms and conditions in this permit are distinct and severable. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of this permit. If any term or condition in this permit is held invalid, such invalidity shall not affect the validity or application of other terms or conditions.

**I. Entry and Inspection**

The Permittee shall allow an EPA authorized representative, upon presentation of credentials, to:

1. Have a right of entry to, upon, or through any premises where a source subject to this permit is located or where records required by this permit are kept;
2. At reasonable times, have access to any records required by this permit and to make copies of any records;
3. Inspect the generators that are the subject of this permit and any monitoring equipment and method required by or referenced in this permit; and
4. Sample any emissions to assure compliance with this permit or other applicable requirements.

**J. Circumvention**

The Permittee shall not build, erect, install or use any article, machine, equipment or process, the use of which conceals any emission which would otherwise constitute a violation of an applicable standard.

**K. Reservation**

This permit does not convey any property rights of any sort or any exclusive privilege.



Technical Support Document  
Air Quality Construction Permit  
Permit No. SYN-SM-27139R0001-2012

This document sets forth the legal and factual basis for permit conditions, with references to applicable statutory and regulatory provisions, including provisions under the federal tribal New Source Review program, 40 C.F.R. §§ 49.151 - 49.161.

1.0 GENERAL INFORMATION

(A). Applicant and Stationary Source Information

Owner	Facility (SIC Codes: 4911 )
Shakopee Mdewakanton Sioux Community 2330 Sioux Trail NW Prior Lake, MN 55372	Mystic Lake Casino Hotel 2400 Mystic Lake Boulevard Prior Lake, MN 55372 Scott County

(B). Contact Information

Responsible Official: Stanley Crooks, Tribal Chairman  
2330 Sioux Trail NW  
Prior Lake, MN 55372  
Phone: (952) 496-6153

Permit Contact: Stanley Ellison, Director  
Phone: (952) 496-6158  
Fax: (952) 496-6180

(C). Background and Facility Description

Shakopee Mdewakanton Sioux Community (SMSC) is a federally recognized Indian tribe. SMSC's reservation is located in Prior Lake, Minnesota and is comprised of approximately 2,800 acres. SMSC operates several businesses within the boundaries of its reservation, including two casinos, a fire department and a public works department. The EPA retains responsibility for implementing the Clean Air Act within Indian country in Minnesota, including within the SMSC reservation.

Facility Emissions:

Table 1. Total Facility Potential to Emit Summary

	PM Tpy	PM <sub>10</sub> tpy	PM <sub>2.5</sub> tpy	SO <sub>x</sub> tpy	NO <sub>x</sub> tpy	CO tpy	VOC tpy	Lead tpy	Single HAP tpy	All HAPs tpy
Total Facility Potential Emissions	23.8	23.8	23.8	1.7	2,140.8	232.3	50.7	0.0003	0.7	1.4
Total Facility Actual Emissions	0.3	0.3	0.3	0.01	26.1	2.9	0.6	0	0.007	0.01

(D). Area Classification

Mystic Lake Casino Hotel is located on reservation lands held by the United States government in trust for the SMSC. Currently, SMSC owns more than 2,800 acres of land in Prior Lake and Shakopee, Minnesota. The EPA is responsible for issuing and enforcing any air quality permits for this source until such time as the Tribe or State has EPA approval to do so.

The facility is located in Scott County, which is designated attainment with National Ambient Air Quality Standards for all criteria pollutants. There are no Prevention of Significant Deterioration Class 1 areas within 100 kilometers of the Mystic Lake Casino Hotel Complex or the SMSC reservation.

## 2.0 PROCESS DESCRIPTION

(A) Description of Permit Action

SMSC has begun construction on three identical diesel-fired generators at its Mystic Lake Casino Hotel, located at 2400 Mystic Lake Boulevard, Prior Lake, Minnesota. The generators will provide emergency backup power and peak load management for the casino and hotel under contract with the Minnesota Valley Electric Cooperative. The SMSC has applied for limits on the generators' fuel usage so that emissions from the project remain below major PSD thresholds. EPA is issuing this synthetic minor permit following SMSC and EPA's entry into an Agreed Consent Order.

The three engines which are the subject of this construction permit are Caterpillar Model 3516C generators. Each engine operates at a rated speed of 1,800 revolutions per minute and produces 2,990 horsepower (2,230 kW). Each will burn approximately 142 gallons per hour of ultra low sulfur (0.0015%) diesel fuel when operated at maximum capacity.

(B) Table 2. Emission Unit Summary:

Emission Unit	EU116	EU117	EU118
Unit type	Engine/generator	Engine/generator	Engine/generator
Manufacturer/Model	Caterpillar Model 3516C	Caterpillar Model 3516C	Caterpillar Model 3516C
Power Rating	2,230 kW	2,230 kW	2,230 kW
Exhaust Height	15.75 feet	15.75 feet	15.75 feet
Exhaust Diameter	12 in	12 in	12 in
Exhaust Flow	7,647.4 ACFM	7,647.4 ACFM	7,647.4 ACFM
Exhaust Temperature	752.2 F	752.2 F	752.2 F
Fuel Type	Ultra low (0.0015%) sulfur diesel fuel only	Ultra low (0.0015%) sulfur diesel fuel only	Ultra low (0.0015%) sulfur diesel fuel only

(C) Table 3. Project Potential to Emit Summary

	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	VOC	Lead	Single HAP	All HAPs	CO <sub>2e</sub>
Potential hourly emissions per engine (lb/hr)	0.2	0.2	0.2	0.03	35.9	2.0	0.7	0	0.02	0.03	3,264.7
Potential hourly emissions 3 engines (lb/hr)	0.6	0.6	0.6	0.09	107.7	6.0	2.1	0	0.05	0.09	9,794.1
Total potential emission 3 engines (tpy)	2.6	2.6	2.6	0.4	471.6	26.3	9.2	0	0.2	0.4	42,897
Project Potential to Emit (Limited to 99,610 gal/yr)	0.3	0.3	0.3	0.03	37.8	2.1	0.9	0	0.02	0.03	3,428

(D) Enforcement Issues

EPA and SMSC have resolved in principle the alleged failure by SMSC to obtain a construction permit prior to commencing construction of all of its generators, including the three that are the subject of this permitting action, through an Agreed Consent Order.

(E) Pollution Control Equipment

The proposed generators will be required to be certified to meet New Source Performance Standards IIII EPA Tier 2 emissions standards. To meet the emission standards the engines use a catalytic converter to reduce carbon monoxide (CO), nitrogen oxides (NOx), and volatile organic compounds (VOC). The catalytic converter is an inherent part of the process.

(F). Endangered Species Act

According to U.S. Fish and Wildlife distribution lists, there are no endangered or threatened species or critical habitat present in Scott County. Therefore, further analysis and consultation is not required under Section 7(a) of the Endangered Species Act.

2.0 APPLICABLE REQUIREMENTS

(A). Prevention of Significant Deterioration (PSD)

This source is currently subject to the requirements of 40 C.F.R. § 52.21 based on its potential to emit and the definition of “major source” in 40 C.F.R. § 52.21. The three new generators constitute major modifications to a major stationary source, based upon their uncontrolled potential to emit. SMSC has requested that operating conditions be placed into the permit in order to avoid PSD applicability for the project. Minor source limitations are available under EPA’s minor source program for Indian country, codified at 40 C.F.R. § 49.151, *et. seq.*

(B). Restrictions on Potential to Emit

“Potential to emit” is defined in 40 C.F.R. § 52.21 as the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any state or federal physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation, or the effect it would have on emissions, is enforceable as a practical matter. Although SMSC is subject to the requirements of the PSD permitting program based on its potential to emit, it has relatively low actual emissions. SMSC has requested that limits on its potential to emit for generators EU 116, 117, and 118 be set in its construction permit to avoid major source modification regulatory requirements. Limits have been set to restrict fuel usage to below 99,610 gallons per year per unit, based on a 12 month rolling sum. The draft permit that EPA issued for public notice referenced in the general facility description a limitation of 700 hours per year per emission unit that was not contained in the permit as an operating condition. EPA has removed this reference from the final permit. The permit retains the fuel usage limitations of 99,610 gallons per year per unit, which were based upon operation of each unit for fewer than 700 hours per year. The type of fuel is also restricted to ultralow sulfur diesel fuel with a maximum sulfur content of 0.0015%. Restrictions on potential to emit will be monitored with monthly recordkeeping requirements and with testing requirements on the generators. Each

generator will be required to be tested for NOx emissions on a rotating basis, once every 3 years, which is consistent with similar permits issued in non-Indian country in Minnesota.

(B). New Source Performance Standards (NSPS)

The proposed engines are required to be certified to meet NSPS IIII EPA Tier 2 emissions standards. To meet the emission standards the engines use a catalytic converter to reduce carbon monoxide, nitrogen oxides, and volatile organic compounds. The catalytic converter is considered an inherent part of the process, not add-on pollution control equipment.

(C). National Emissions Standards for Hazardous Air Pollutants (NESHAP)

The proposed engines are an area source of hazardous air pollutants (HAP) because they have a potential to emit any single HAP at a rate lower than 10 tons per year or any combination of HAP at a rate lower than 25 tons per year. They are new stationary reciprocal internal combustion engine (RICE) units because they will be installed after June 12, 2006. Subpart ZZZZ allows affected sources to meet the requirements of the subpart by meeting the requirements of 40 C.F.R. Part 60, Subpart IIII. There are no additional control requirements under Subpart ZZZZ.

